

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	3-chlorotyrosine with (antibody or elisa)	USPAT	OR	OFF	2006/10/01 20:45
L2	1	3-chlorotyrosine same (antibody or elisa)	USPAT	OR	OFF	2006/10/01 20:48
L3	0	"3-(3-chloro-4-hydroxy-benzyl)-6-mercaptopmethyl-piperazine-2,5-dione"	US-PGPUB; USPAT	OR	OFF	2006/10/01 20:49
L4	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT	OR	OFF	2006/10/01 21:05
L5	0	"2004003555"	US-PGPUB; USPAT	OR	OFF	2006/10/01 21:05
L6	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/10/01 21:05
L7	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/10/01 21:05
L8	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/10/01 21:05
L9	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 21:06
L10	5	mercaptopmethyl\$piperazine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 21:06
L11	0	anti-chlortyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 21:06

## EAST Search History

L12	5	anti-chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 21:06
L13	78	chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 21:06
L14	44	L13 and antibody	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:22
L15	39	L14 not L12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:39
L16	152	(hypochlorous adj acid) and (vaginal or vagina)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:42
L17	2	(hypochlorous adj acid) with (vaginal or vagina)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:40
L18	4	(hypochlorous adj acid) same (vaginal or vagina)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:40

## EAST Search History

L19	8	L16 and 3-chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:41
L20	5	L19 not L18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:41
L21	198	(hypochlorous adj acid) and (fetus or fetal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 22:19
L22	3	(hypochlorous adj acid) same (fetus or fetal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:42
L23	194	(hypochlorous adj acid) and (premature or preterm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:42
L24	6	(hypochlorous adj acid) and ((premature or preterm) with (fetal or fetus or rupture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 21:43
L25	12	((premature adj birth) or (preterm adj labor)) with (bacterial adj infection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:22

## EAST Search History

L26	2	((premature adj birth) or (preterm adj labor)) with (oxidative adj damage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 22:20
L27	41	3-chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:22
L28	4	3-chlorotyrosine with antibody	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:37
L29	7	n-acetyl-3-chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:37
L30	7	n-acetyl-3-chlorotyrosine and antibody	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:47
L32	17	acetyl with chlorotyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:50
L33	63	acetyl with chloro with tyrosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:50

## EAST Search History

L34	0	L33 and (3-chlorotyrosine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:50
L35	21	L33 and antibody	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:50
L36	3	L33 and (chlorotyrosine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:51
L37	11	woods-james.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:54
L38	1	andres-marion-w.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:54
L39	37	xu-lin.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 23:55

- ☑ Drafts
- ☑ Pending /
- ☑ Active
  - ☑ L46: (26) \$chlorotyrosine
  - ☑ L47: (5) 46 and (vaginal or vagina)
  - ☑ L49: (0) 48 and hypochlorous
  - ☑ L50: (0) 47 and hypochlorous
  - ☑ L52: (0) 51 and (fetal or labor)
  - ☑ L53: (0) 51 and (pregnant)
  - ☑ L54: (1) 46 and (pregnant)
  - ☑ L51: (2) 46 and hypochlorous
  - ☑ L48: (1) 47 and 3-chlorotyrosine
  - ☑ L56: (1) 55 and 3-chlorotyrosine
  - ☑ L55: (6) 46 and (fetal or fetus)
  - ☑ L57: (5119) elisa adj assay
  - ☑ L58: (21) 57 and (analytical adj column)
  - ☑ L59: (2) elisa and \$chlorotyrosine
  - ☑ L60: (0) 46 and \$mercaptomethyls
  - ☑ L61: (0) 46 and N-acetyl-3-chlorotyrosine
  - ☑ L62: (1) ("6268220").PN.
  - ☑ L63: (0) 62 and (vagina or vaginal)
  - ☑ L64: (44) (hypochlorous adj acid) and (vagina or vaginal)
  - ☑ L65: (0) 64 and 3-chlorotyrosine
  - ☑ L66: (2) (hypochlorous adj acid) and 3-chlorotyrosine
  - ☑ L67: (8) 64 and (fetal or fetus)
  - ☑ L68: (1) ("6096556").PN.
  - ☑ L69: (0) 68 and elisa
  - ☑ L70: (0) 68 and (enzyme with assay)
  - ☑ L71: (1) ("6329340").PN.
  - ☑ L72: (1) 71 and elisa
  - ☑ **L73: (0) n-acetyl-3-chlorotyrosine**
- ☑ Failed
- ☑ Saved
- ☑ Favorites
- ☑ Tagged (0)
- ☑ UDC
- ☑ Queue
- ☑ Trash

PCT

03/20/99

3-nitrotyrosine, 3-chlorotyrosine, or 3,4-dihydroxyphenylalanine cross-reacted with the antibody. The anti-dityrosine antibody reacted with lipofuscin granules in the pyramidal neurons of the aged human brain. The results suggest that protein oxidation by free radicals and/or peroxidases may play an important role in lipofuscin accumulation. Copyright (C) 1998 Federation of European Biochemical Societies.

L4 ANSWER 33 OF 33 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1998401126 EMBASE  
 TITLE: Nitrotyrosine in plasma of celiac disease patients as detected by a new sandwich elisa.  
 AUTHOR: Ter Steege J.C.A.; Koster-Kamphuis L.; Van Straaten E.A.; Forget P.Ph.; Buurman W.A.  
 CORPORATE SOURCE: J.C.A. Ter Steege, Department of Surgery, Maastricht University, P.O. Box 616, 6200 MD Maastricht, Netherlands. W.Buurman@AH.Unimaas.NL  
 SOURCE: Free Radical Biology and Medicine, (15 Nov 1998) Vol. 25, No. 8, pp. 953-963. .  
 Refs: 46  
 ISSN: 0891-5849 CODEN: FRBMEH  
 PUBLISHER IDENT.: S 0891-5849(98)00184-1  
 COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article  
 FILE SEGMENT: 007 Pediatrics and Pediatric Surgery  
 026 Immunology, Serology and Transplantation  
 029 Clinical Biochemistry  
 046 Environmental Health and Pollution Control  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English  
 ENTRY DATE: Entered STN: 17 Dec 1998  
 Last Updated on STN: 17 Dec 1998

AB Inflammation is characterized by increased nitric oxide production. Nitrotyrosine has recently been suggested to be useful as a marker for NO-mediated tissue damage. In context of the development of an ELISA for detection of nitrotyrosine in plasma, monoclonal anti-nitrotyrosine antibodies were developed by injecting mice with nitrated keyhole limpet hemocyanin. The specificity of the antibodies was determined by binding to nitrated BSA, lack of binding to unmodified BSA, tyrosine, 3-chlorotyrosine or phenylalanine and inhibition of binding by nitrotyrosine. The antibodies developed are useful for Western blot analysis and immunohistochemical staining. Using these antibodies a nitrotyrosine sandwich ELISA was developed with a lower detection limit of approximately 0.2 nM. The intra- and interassay variance were 2.4% and 11.9%, respectively. Using this newly developed ELISA,  $1.27 \pm 1.03 \mu\text{M}$  nitrotyrosine was detected in plasma samples of celiac disease patients whereas nitrotyrosine was undetectable in control samples. Elevated nitrotyrosine levels were paralleled by an increase in plasma concentrations of NO-oxidation products (NO(x)), nitrite and nitrate from  $15.1 \pm 6.1 \mu\text{M}$  in controls to  $61.0 \pm 28.2 \mu\text{M}$  in celiac disease patients. Both nitrotyrosine and NO(x) levels declined when the patients were on a gluten-free diet, suggesting a relation between intestinal inflammation and plasma nitrotyrosine and NO(x) levels.

=> d his

(FILE 'HOME' ENTERED AT 21:31:46 ON 01 OCT 2006)

FILE 'CAPLUS, BIOSIS, MEDLINE, EMBASE' ENTERED AT 21:32:00 ON 01 OCT 2006  
 L1 0 S CHLOROTYROSINE AND MERCAPTOMETHYLPIPERAZINE  
 L2 386 CHLOROTYROSINE

L3 2371496 ANTIBODY  
L4 33 L2 AND L3

=> 3-(3-chloro-4-hydroxy-benzyl)-6-mercaptomethyl-piperazine-2,5,-dione  
MISSING OPERATOR '3-(3-CHLORO-4'

The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> "3-(3-chloro-4-hydroxy-benzyl)-6-mercaptomethyl-piperazine-2,5,-dione"  
L5 0 "3-(3-CHLORO-4-HYDROXY-BENZYL)-6-MERCAPTOMETHYL-PIPERAZINE-2,5,-  
DIONE"

=> chloro (5w) hydroxy (5w) benyl (5w) mercapto(5w) methyl (5w) piperazine (5w)  
dione  
L6 0 CHLORO (5W) HYDROXY (5W) BENYL (5W) MERCAPTO(5W) METHYL (5W)  
PIPERAZINE (5W) DIONE

=> chloro (5w) hydroxy (5w) benzyl (5w) mercapto(5w) methyl (5w) piperazine (5w)  
dione  
L7 0 CHLORO (5W) HYDROXY (5W) BENZYL (5W) MERCAPTO(5W) METHYL (5W)  
PIPERAZINE (5W) DIONE

=> chloro (w) hydroxy (w) benzyl (w) mercapto(w) methyl (w) piperazine (w) dione  
L8 0 CHLORO (W) HYDROXY (W) BENZYL (W) MERCAPTO(W) METHYL (W) PIPERAZ  
INE (W) DIONE

=> d his

(FILE 'HOME' ENTERED AT 21:31:46 ON 01 OCT 2006)

FILE 'CAPLUS, BIOSIS, MEDLINE, EMBASE' ENTERED AT 21:32:00 ON 01 OCT 2006

L1 0 S CHLOROTYROSINE AND MERCAPTOMETHYLPIPERAZINE  
L2 386 CHLOROTYROSINE  
L3 2371496 ANTIBODY  
L4 33 L2 AND L3  
L5 0 "3-(3-CHLORO-4-HYDROXY-BENZYL)-6-MERCAPTOMETHYL-PIPERAZINE-2,5,  
L6 0 CHLORO (5W) HYDROXY (5W) BENYL (5W) MERCAPTO(5W) METHYL (5W) PI  
L7 0 CHLORO (5W) HYDROXY (5W) BENZYL (5W) MERCAPTO(5W) METHYL (5W) P  
L8 0 CHLORO (W) HYDROXY (W) BENZYL (W) MERCAPTO(W) METHYL (W) PIPERA



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NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
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NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS	19	SEP 21	CA/CAPLUS fields enhanced with simultaneous left and right truncation
NEWS	20	SEP 25	CA(SM)/CAPLUS(SM) display of CA Lexicon enhanced
NEWS	21	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	22	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	23	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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=> file .bio

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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FILE 'MEDLINE' ENTERED AT 23:40:43 ON 01 OCT 2006

FILE 'EMBASE' ENTERED AT 23:40:43 ON 01 OCT 2006

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=> "n-acetyl-3-chlorotyrosine"

L1 0 "N-ACETYL-3-CHLOROTYROSINE"

=> "n-acetyl-3,5-chlorotyrosine"

L2 0 "N-ACETYL-3,5-CHLOROTYROSINE"

=> "acetyl-3,5-chlorotyrosine"

L3 0 "ACETYL-3,5-CHLOROTYROSINE"

=> "acetyl-3-chlorotyrosine"

L4 0 "ACETYL-3-CHLOROTYROSINE"

=> acetyl (w) chlorotyrosine

L5 0 ACETYL (W) CHLOROTYROSINE

=> "n-acetyl-3,5-dichlorotyrosine"

L6 0 "N-ACETYL-3,5-DICHLOROTYROSINE"

=> acetyl (w) dichlorotyrosine

L7 0.ACETYL (W) DICHLOROTYROSINE